33 Purc-Permin, Pratapgarh
34 Kochawa, Varanasi
35 Belaparsa, Faizabad
36 Badhbamni, Aligarh
37 Gautam Khera, Lucknow
38 Bhurkura, Varanasi
39 Aurangabad, Gorakhpur
40 Bijna, Moradabad
41 Biriagrah, Unnao
42 Pasara, Basti
43 Hisawada, Meerut
44 Faizullah Nagar, Rampur
45 Sujani Samodha, Allahabad
46 Fanar, Dehradun
47 Hathiyai, Hardoi

Under Implementation :

1. Jaipur, Kanpur (D)
2. Dedar, Jhansi
3. Singraha, Shahjahanpur
4. Kauhar (Bazar), Sultanpur
5. Sagar Roja, Basti
6. Kalu Jalalpur, Rae Bareilly
7. Hardwari, Jaunpur
8. Raghupur, Rca Bareilly
9. Kohra, Sultanpur
10 Nivi, Jhansi
11 Barosha, Sitapur
12 Jainpur, Muzzaffarnagar
13 Gandhauli, Sitapur
14 Fairosa, Basti
15 Bhitaura, Gonda
16 Bhadausi, Farrukhabad
17 Patraona, Maunath Bhanjan
18 Nalibari, Pauri Garhwal
19 Sari, Chamoli
20 Sirsoda, Almora
21 Mohkampur, Badaun
22 Dharmapura, Bijnor
23 Khajura, Sonbhadra
24 Lauary, Varanasi
25 Nagla Parmodariya, Mathura
26 Naithala, Meerut.

.

Promotion of Non-Conventional source of Energy in Delhi, U.P. and Bihar

4624. MAULANA OBAIDULLAH KHAN AZMI: Will the Minister of POWER AND NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) what are the details of the steps taken to promote non-conventional sources of energy, particularly, in Delhi, Uttar Pradesh and Bihar;

(b) what is the total amount of expenditure incurred thereon during the last three years; and

(c) whether the success achieved in this regard is considered satisfactory by Government?

THE MINISTER OF STATE OF THE MINISTRY OF POWER AND NON-CONVENTIONAL ENERGY SOURCES (SHRI KALP NATH RAI): (a) and (b) The Government is encouraging development, production and wider use of new and renewable energy sources* for various types of centralised as well as decentralised applications. Research development, demonstration and dissemination activities are undertaken. Country-wide infrastructure for the manufacture, installation and maintenance of various systems and devices has been developed. For harnessing and use of renewable energy systems and devices, incentives; such as, subsidy soft term loans, and fiscal incentives in the form of depreciation allowance and relief in sales tax, excise duty and customs duty are provided to the Users and manufacturers. In addition, publicity and awareness compaign are also being undertaken.

Status of achievement in respect of various new and renewable sources of energy systems and devices for Delhi, Uttar Pradesh and Bihar is given in Statement-I *(see* below). Total funds released in last three years by the Department of Non-Conventional Energy Sources for various programmes is given in Statement-Il *(see* below).

(c) In view of. level of financial support provided to the sector of non-conventional energy sources, widely dispersed nature of energy resources and installations, high dependency on all types of users in rural, remote semi-urban

and urban areas and during the short span of development and popularising these technologies, the success achieved is considered satisfactory.

Statement-I

Status of achievement in respect of various NRSE systems & devices in Delhi, U.P. and Bihar

s. No.	Programme/Systems and devices	Cumulative achievements upto 31.12.91 (Numbers)		
		Delhi	U.P.	Bihar
1.	Biogas Plants	60.7	2.04 lakh	64.411
2.	Improved Chulhas	1.23 lakh	13.70 lakh	5.67 lakh
3.	Industrial solar water heating systems	387	533	51
4.	Domestic Solar Water Heaters	650	66	—
5.	Solar air heating systems	1	25	—
6.	Solar timber kilns	4	18	—
7.	Solar distillation svstems	1604	498	—
8.	Solar cookers	18243	17381	—
9.	Photovoltaic community TV/lighting systems	2	205	103
10.	Photovoltaic water pumping systems	—	74	94
11.	Villages covered with photovoltaic street lights	—	305	177
12.	Photovoltaic power plants	—	2	—
13.	Water pumping wind mills	81	275	252
14.	Wind Battery chargers	5	3	—
15.	Wind mapping stations	—	30	—
16.	Urjagrams	—	47	8
17.	Biomass gasifiers/Stirling Engines	16	34	1
18.	Mini-micro hydel plants	—	32	—
19.	Battery operated vehicles	105	10	—
20.	Alcohol operated buses	25	—	—

Statement-II

Funds sanctioned/released to Delhi, U.P. and Bihar during last three years towards Implementation of NRSE Programmes

(Rs. in lakh)

S. No.	programme	Fui ids	sanctioned/released duri in last three years g		
			Delhi	U.P.	Bihar
1.	National Programme on Biogas Development		0.02	13.95	3.28
2.	Community/Institutional Biogas Plants		13.50	87.94	—
3.	National Programme on Improved Chulha		42.94	426.43	177.35
4.	Solar Thermal Programme		114.01	140.40	30.66
5.	Mini-Micro Hydel Programme		—	26.00	—

(Rs. in lakh)

SI. No.	Programme	Funds sanctioncd/i	clcased dun years	in last three g
		Delhi	U.P.	Bihar
6.	Wind Energy Programme		16.00	6.50
7.	Biomass Gasifiers/Stirling Engines	5.00	35.00	5.00
8.	Urjagram		30.00	2.35

Number of Hydro and Thermal Power Plants in Rajasthan

4625. SHRI SANTOSH BAGRODIA: Will the Minister of POWER AND NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) what is the total number of Hydro power stations and Thermal Power plants functioning in Rajasthan; and

(b) what is the number of such projects under construction now and how many proposals have been received from the Rajasthan Government which are already sanctioned or arc under consideration?

THE MINISTER OF STATE OF THE MINISTRY OF POWER AND NON-CONVENTIONAL ENERGY SOURCES (SHRI KALP NATH RAI):

(a) The Hydro and Thermal Power Stations in operation at present in Rajasthan are given below:—

Name of the Station	Generating Capacity (MW)
Kota (Thermal)	640
R.P. Sagar (Hydro)	172
Jawahar Sagar (Hydro)	99
Mahi Bajaj (Hydro)	140
Anoopgarh (Hydro)	13
Anta Gas Turbine	413

(b) Details of thermal/hydro projects in Rajasthan which arc sanctioned/ ongoing and which are under examination in Central Electricity Authority, are as follows:—

(i) Sanctioned/Ongoing

s. No.	Project/Unit No.	Capacity (MW)
1	2	3
1.	Kota Stagc-III U-5	210
2.	Ramgarh[1] GT	3
3.	Suratgarh Unit-1	250
	Unit-2	250
4.	Jakham (H)	5.5

General Sector

Barsingsar Unit-1	120
Unit-2	120

(ii) Under Examination in CEA.

1. Dholpur Thermal Power Station 3 x 250 MW
2. Chittorgarh Thermal Power Station 500 MW by M/s. Century Textiles & Industries Ltd.

World Bank's offer to assist Government in Joint-Sector Power Ventures in the Country

4626. SHRI KRISHNA KUMAR BIRLA: Will the Minister of POWER AND NON-CONVENTIONAL ENERGY SOURCES be leased to state:

(a) whether World Bank has offered to assist Government to co-finance the joint-sector power ventures in the country;

(b) if so, whether any negotiations in this regard have been held with the World Bank; and

(c) if so, what is the decision, if any, taken by Government in the matter?

THE MINISTER OF STATE OF THE MINISTRY OF POWER AND NON-CONVENTIONAL ENERGY